P – 7765

Reg. No. : ....

Name : ....

First Semester B.Sc. Degree Examination, March 2023

First Degree Programme under CBCSS

Computer Science

Complementary Course for Mathematics and Statistics

CS 1131.2/CS 1131.3 – INTRODUCTION TO IT

(2016-2021 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A (Very Short Answer Type)

(One word to maximum of one sentence. Answer **all** questions. Each question carries **1** mark) :

1. What is DOS?

2. What do you mean by the speed of a computer?

3. Mention the role of LaTex.

4. What is an auxiliary storage device?

5. What is booting?

6. What is real time operating system?

7. How can you define the addresses on the Internet?

8. What is 'Intranet'?

9. Which tag leaves a blank line?

10. What is Protocol?

SECTION – B (Short Answer)

(Not to exceed one paragraph, Answer **any eight** questions. Each question carries **2** marks)

11. What are various characteristics of computer?

12. List two devices which can be used as input as well as output device.

13. Explain with example procedure to convert decimal number to binary number and vice versa.

14. What are Mini and Main frame Computers?

15. Differentiate between RAM and ROM.

16. What are four examples of information system hardware?

17. Distinguish between Multi-Programming and Multi-Tasking.

18. Mention the role GUI.

19. Differentiate between wired and wireless access. Give one example for each type.

20. Discuss in brief the role of Search engine.

21. What is the role played by modem in networking?

22. Explain the advantages of E-mail?

SECTION – C (Short Essay)

(Not to exceed **120** words, Answer **any six** questions. Each question carries **4 marks**.)

23. What is the difference between data, information, and knowledge?

24. Discuss the relative utility of different optical technologies available in the market.

25. Write short notes on any two Types of memory.

26. What are the advantages of using database?

27. What is open-source software? How does it differ from closed-source software? Give an example of each.

28. Discuss various functions of an Operating System.

29. Explain in detail different types of ROM.

30. What are the advantages of networking? Explain briefly E-mail.

31. What is meant by 'www'? Explain its advantages and disadvantages.

(6 × 4 = 24 Marks)

SECTION – D (Long Essay)

(Answer **any two** questions. Each question carries **15** marks)

32. Define 'Computer'. Explain block diagram of computer with functions of each unit.

33. Define Software. Explain various types of software with example.

34. Discuss the various Network Topology with relevant examples.

35. Discuss in detail various Input and Output devices.

(2 × 15 = 30 Marks)

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First Semester B.Sc. Degree Examination, March 2023

First Degree Programme under CBCSS

Computer Science

Complementary Course for Mathematics and Statistics

CS 1131.3 : FUNDAMENTALS OF INFORMATION TECHNOLOGY

(2022 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions. Each question carries 1 mark.

1. Define pseudo code.

2. What is NLP?

3. Define open source software.

4. What is virtual reality?

5. Define protocols.

6. What is a web browser?

7. List any three image editor.

8. What is the differences between web site and web browser?

9. What is computer networking?

10. What is meant by news group?

<div align="right">(10 × 1 = 10 Marks)</div>

SECTION – B

Answer any **eight** questions. Each question carries **2** marks.

11. Write a short note on e- governance.

12. What is the general structure of URL?

13. Write a short note on internet.

14. What is blogging?

15. List the advantages of IT in education.

16. What are worms?

17. Write a note on software privacy.

18. Explain security threats.

19. Compare user identification and authorization.

20. Write a short note on digital signature.

21. List out different application of Multimedia.

22. Describe firewall.

<div align="right">(8 × 2 = 16 Marks)</div>

SECTION – C

Answer any **six** questions. Each question carries **4 marks.**

23. Compare top down and bottom up programing.

24. What are the advantages of free software?

25. Write note on characteristics of a good computer program.

26. Why is backup and recovery important? Explain different methods used for it.

27. Describe different types of computer networking.

28. What do you mean by natural language processing? Explain its area of application.

29. Write about security awareness policies.

30. Write a note on brain-computer interface.

31. What do you mean by expert system? Explain.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. **Each** question carries **15** marks.

32. Explain role of technology in Disaster management in detail.

33. Write a note on different internet connection. Explain working principal of E-mail.

34. Explain different type of performance analysis. Explain each one with example.

35. Explain different type devices used for networking.

(2 × 15 = 30 Marks)

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